

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071123\
 Data File : BG058153.D
 Acq On : 11 Jul 2023 10:10
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020508

Quant Time: Jul 11 23:02:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 10 16:52:40 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/12/2023
 Supervised By :mohammad ahmed 07/12/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	43375	20.000	ng/u1	0.00
20) Naphthalene-d8	10.778	136	200095	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.603	164	137305	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.347	188	314462	20.000	ng/u1	0.00
79) Chrysene-d12	21.607	240	266586	20.000	ng/u1	0.00
88) Perylene-d12	24.803	264	317958	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	9782	7.897	ng/uL	0.00
4) Pyridine-d5	3.810	84	74615	19.841	ng/u1	0.00
7) Phenol-d5	7.136	99	91449	20.645	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.294	67	53151	19.911	ng/u1	0.00
11) 2-Chlorophenol-d4	7.506	132	62830	20.565	ng/u1	0.00
15) 4-Methylphenol-d8	8.681	113	68847	20.598	ng/u1	0.00
21) Nitrobenzene-d5	9.133	128	33749	20.694	ng/u1	0.00
24) 2-Nitrophenol-d4	9.856	143	37320	21.773	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.397	165	72208	21.961	ng/u1	0.00
31) 4-Chloroaniline-d4	10.914	131	100832	20.226	ng/u1	0.00
46) Dimethylphthalate-d6	14.004	166	212959	19.657	ng/u1	0.00
49) Acenaphthylene-d8	14.298	160	252247	21.337	ng/u1	0.00
54) 4-Nitrophenol-d4	14.803	143	35164m	18.372	ng/u1	0.00
60) Fluorene-d10	15.596	176	192449	20.917	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.714	200	32502	19.034	ng/u1	0.00
73) Anthracene-d10	17.447	188	303538	20.802	ng/u1	0.00
81) Pyrene-d10	19.733	212	343077	20.434	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.580	264	344164	21.246	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.434	88	11592m	7.575	ng/uL	
5) Pyridine	3.834	79	77698	20.165	ng/u1	96
6) Benzaldehyde	7.112	77	25630	17.325	ng/u1	92
8) Phenol	7.159	94	96640	21.499	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.388	93	69817	20.115	ng/u1	98
12) 2-Chlorophenol	7.535	128	65434	20.582	ng/u1	97
13) 2-Methylphenol	8.416	108	70453	19.957	ng/u1	93
14) 2,2'-oxybis(1-Chloropr...	8.499	45	106217	19.881	ng/u1	97
16) Acetophenone	8.793	105	117090	21.115	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.775	70	58090	19.595	ng/u1	98
18) 4-Methylphenol	8.740	108	81264	21.288	ng/u1	98
19) Hexachloroethane	9.051	117	23872	19.587	ng/u1	92
22) Nitrobenzene	9.180	77	88014	20.789	ng/u1	99
23) Isophorone	9.697	82	173272	19.180	ng/u1	97
25) 2-Nitrophenol	9.891	139	39466	21.458	ng/u1	98
26) 2,4-Dimethylphenol	9.944	107	85074	20.570	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.179	93	102310	20.098	ng/u1	100
29) 2,4-Dichlorophenol	10.426	162	70000	21.896	ng/u1	92
30) Naphthalene	10.831	128	233661	20.779	ng/u1	98
32) 4-Chloroaniline	10.937	127	103547	20.314	ng/u1	100
33) Hexachlorobutadiene	11.107	225	45693	20.189	ng/u1	96
34) Caprolactam	11.689	113	24131	18.775	ng/u1	94
35) 4-Chloro-3-methylphenol	12.059	107	84263	21.457	ng/u1	97
36) 2-Methylnaphthalene	12.435	142	156805	20.686	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.653	142	157325	20.697	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.800	216	91257	21.809	ng/ul	99
40) Hexachlorocyclopentadiene	12.776	237	52925	20.081	ng/ul	95
41) 2,4,6-Trichlorophenol	13.040	196	62774	22.135	ng/ul	95
42) 2,4,5-Trichlorophenol	13.111	196	66969	21.835	ng/ul	97
43) 1,1'-Biphenyl	13.440	154	214109	21.639	ng/ul	100
44) 2-Chloronaphthalene	13.481	162	170906	21.521	ng/ul	98
45) 2-Nitroaniline	13.687	65	57488	20.821	ng/ul	97
47) Dimethylphthalate	14.051	163	216443	19.886	ng/ul	99
48) 2,6-Dinitrotoluene	14.174	165	45996	20.588	ng/ul	94
50) Acenaphthylene	14.327	152	272553	21.350	ng/ul	99
51) 3-Nitroaniline	14.509	138	35588	18.849	ng/ul	96
52) Acenaphthene	14.668	153	185803	21.210	ng/ul	98
53) 2,4-Dinitrophenol	14.715	184	25664	22.034	ng/ul	91
55) 4-Nitrophenol	14.815	109	26105	18.411	ng/ul	97
56) Dibenzofuran	15.003	168	264995	21.280	ng/ul	100
57) 2,4-Dinitrotoluene	14.962	165	66664	21.060	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.226	232	55617	19.920	ng/ul#	99
59) Diethylphthalate	15.414	149	218133	19.202	ng/ul	99
61) Fluorene	15.649	166	214447	20.988	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.637	204	114997	21.271	ng/ul	97
63) 4-Nitroaniline	15.667	138	21751m	12.860	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.731	198	32372	18.538	ng/ul	99
67) N-Nitrosodiphenylamine	15.855	169	181921	21.738	ng/ul	99
68) 4-Bromophenyl-phenylether	16.536	248	75042	21.740	ng/ul	97
69) Hexachlorobenzene	16.654	284	80658	20.871	ng/ul	97
70) Atrazine	16.795	200	66688	19.487	ng/ul	96
71) Pentachlorophenol	17.001	266	49571	21.365	ng/ul	96
72) Phenanthrene	17.388	178	338395	21.155	ng/ul	99
74) Anthracene	17.482	178	344706	21.295	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.405	216	97139	23.292	ng/uL	97
76) Pentachlorobenzene	14.921	250	101732	22.840	ng/uL	98
77) Carbazole	17.747	167	307915	21.033	ng/ul	99
78) Di-n-butylphthalate	18.299	149	365645	19.607	ng/ul	99
80) Fluoranthene	19.398	202	390752	20.085	ng/ul	99
82) Pyrene	19.762	202	391320	19.982	ng/ul	99
83) Butylbenzylphthalate	20.637	149	161304	20.312	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.501	252	150591	23.334	ng/ul	99
85) Benzo(a)anthracene	21.589	228	399895	20.892	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.484	149	226332	19.889	ng/ul	98
87) Chrysene	21.654	228	387274	21.583	ng/ul	99
89) Di-n-octyl phthalate	22.682	149	407168	20.842	ng/ul	100
90) Benzo(b)fluoranthene	23.781	252	396933	20.162	ng/ul	100
91) Benzo(k)fluoranthene	23.851	252	424302	21.988	ng/ul	99
93) Benzo(a)pyrene	24.650	252	368870	21.169	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.446	276	474113m	20.490	ng/ul	
95) Dibenzo(a,h)anthracene	28.511	278	407168m	21.339	ng/ul	
96) Benzo(g,h,i)perylene	29.592	276	356075m	18.840	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

